

PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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| Application Number     |                |
| Filing Date            | Concurrently   |
| First Named Inventor   | Dwain E. Morse |
| Art Unit               |                |
| Examiner Name          |                |
| Attorney Docket Number | MARVIN-44024   |

Sheet 1 of 2

**U. S. PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
|                       |                          | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
|                       |                          | US- 4,022,696                            | 05-10-1977                     | Krofta   |   |
|                       |                          | US- 5,538,631                            | 07-23-1996                     | Yeh  |   |
|                       |                          | US- 4,279,743                            | 07-21-1981                     | Miller   |   |
|                       |                          | US- 4,838,434                            | 06-13-1989                     | Miller   |   |
|                       |                          | US- 4,997,549                            | 03-05-1991                     | Atwood   |   |
|                       |                          | US- 6,106,711                            | 08-22-2000                     | Morse  |   |
|                       |                          | US- 6,171,488                            | 01-09-2001                     | Morse  |   |
|                       |                          | US- 4,339,027                            | 07-1982                        | Lauer  |   |
|                       |                          | US- 4,397,741                            | 08-1983                        | Miller   |   |
|                       |                          | US- 4,744,890                            | 05-1988                        | Miller   |   |
|                       |                          | US- 5,139,663                            | 08-1992                        | Maples   |   |
|                       |                          | US- 5,151,177                            | 09-1992                        | Roshanravan et al.                                 |   |
|                       |                          | US- 5,160,610                            | 11-1992                        | O'Reilly   |   |
|                       |                          | US- 5,199,684                            | 04-1993                        | Maples   |   |
|                       |                          | US- 5,224,604                            | 07-1993                        | Duczmal et al.                                     |   |
|                       |                          | US- 5,275,732                            | 01-1994                        | Wang et al.  |   |
|                       |                          | US- 5,382,358                            | 01-1995                        | Yeh  |   |
|                       |                          | US- 5,492,630                            | 02-1996                        | Roshanraven et al.                                 |   |
|                       |                          | US- 5,529,190                            | 06-1996                        | Calton et al.                                      |   |

**FOREIGN PATENT DOCUMENTS**

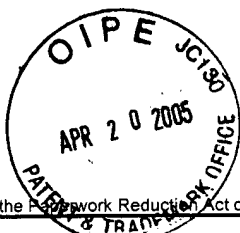
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>6</sup> |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
|                       |                          | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                   |  |   |                |
|                       |                          | WO 94/17920 PCT   | 08/18/1994                        | MD Research  |   |                |
|                       |                          | SU 1555293 A1 USSR  | 04/07/1990                        |  |   |                |
|                       |                          | WO 96/12678 PCT   | 05/02/1996                        | Mastrans A.S.                                      |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
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|                       |                          | US- 5,529,701                            | 06-1996                        | Grisham et al.                                     |   |
|                       |                          | US- 5,531,904                            | 07-1996                        | Grisham et al.                                     |   |
|                       |                          | US- 5,662,790                            | 09-1997                        | Carlton et al.                                     |   |
|                       |                          | US- 4,067,813                            | 01-1978                        | Pielkenrood  |   |
|                       |                          | US- 4,377,485                            | 03-1983                        | Krofta   |   |
|                       |                          | US- 5,120,435                            | 06-1992                        | Fink   |   |
|                       |                          | US- 5,160,611                            | 11-1992                        | Krofta   |   |
|                       |                          | US- 2,360,811                            | 10-1944                        | Kelly et al.                                       |   |
|                       |                          | US- 3,917,526                            | 11-1975                        | Jenning  |   |
|                       |                          | US- 5,514,2882                           | 05-1996                        | Hibbard et al.                                     |   |
|                       |                          | US- 5,591,348                            | 01-1997                        | Felder et al.                                      |   |
|                       |                          | US-                                      |                                |  |   |
|                       |                          | US-                                      |                                |  |   |
|                       |                          | US-                                      |                                |  |   |
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